



Microalgal Cultivation at Kalundborg Municipal Wastewater Treatment Facility

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Microalgal Cultivation at Kalundborg Municipal Wastewater Treatment Facility

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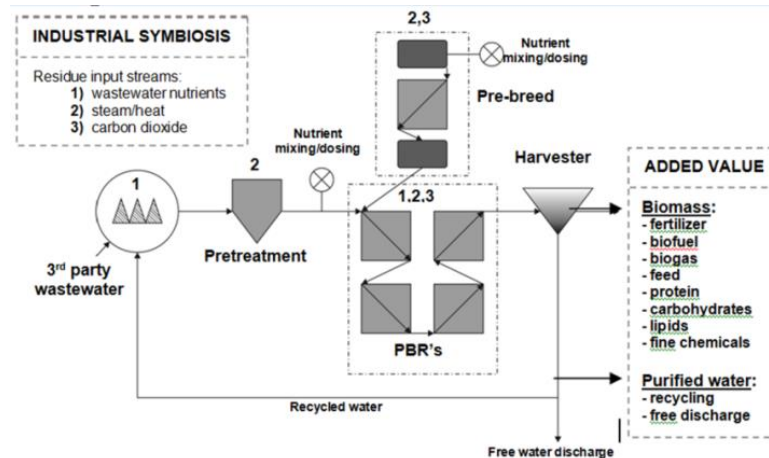
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Problem:
Industrial wastewater
treatment is energy-
intensive and costly



Example : the treatment of
fermentation waste requires
oxygen compression for
ozonation to remove "inert
COD" at great cost.

Solution: Microalgal cultivation for bioremediation and biomass production



Images (from top left):
• A Red box and Jon
indicate the
cultivation site
• Initial screening of
various wastes as
media is monitored in
microwell plates
• Modular
photobioreactors will
be used for scale-up
(photo credit Ecoduna)
• Treatment and
biorefinery schematic.